BRUHAT BANGALORE MAHANAGARA PALIKE

EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work: Improvements to Ashwathkatte Near Muthuraya Swamy Temple in Mallasandra Ward No. 13 Shettyhalli Sub Division

JOB NUMBER.: SI-10 Est. Amount = 15.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.tm No.2.4, P.No.5, SR:2016-17)								
	Ashwatha Katte								
	Wall Basement	Cum	1	15.50	1.60	1.55	38.44		
	Sump		1	4.00	4.00	2.50	40.00		
						Total Qty	**78.44**	**405.64**	**31818.40**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tm No.4.2, P.No.12, SR:2016-17)								
	Ashwatha Katte								
	Footing for Wall	Cum	1	15.50	1.60	0.15	3.72		
	Floor		1	10.20	4.70	0.15	7.19		
	Sump		1	4.00	4.00	0.15	2.40		
						Total Qty	**13.31**		
	Deduction								
	Trea Girth Area		1	4.50	2.00	0.15	1.35		
						Total Qty	**11.96**	**5449.68**	**65183.62**
3	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excludingcost of reinforcement as per specifications.Specification No. KBS Specification No. KBS 4.1,4.64.1,4.6(I.tm No.4.10, P.No.13, SR:2016-17)								
	Ashwatha Katte								
	Wall Footing	Cum	1	15.50	1.40	0.40	8.68		
	Wall		1	15.50	0.30	2.00	9.30		
	Sump								
	Bottom Slab & Covering Slab		2	3.30	3.30	0.15	3.27		
	Side Wall		1	12.60	0.15	2.20	4.16		
						Total Qty	**25.41**	**6718.68**	**170688.07**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
4	KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.tm No.2.10, P.No.6, SR:2016-17)								
	Ashwatha Katte								
	50% of Total Earth Excavation	Cum					39.22		
						Total Qty	**39.22**	**137.16**	**5379.42**
5	KSRB 5.4-3: Providing and constructing granite I trap I basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of aterials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.13 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Steps	Cum	1	1.50	1.40	0.20	0.42		
			1	1.20	1.40	0.20	0.34		
			1	0.90	1.40	0.20	0.25		
			1	0.60	1.40	0.20	0.17		
			1	0.30	1.40	0.20	0.08		
						Total Qty	**1.26**	**6019.92**	**7585.10**
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.9 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Reconstruction of Fencing Compound	Cum	1	50.00	0.45	1.00	22.50		
						Total Qty	**22.50**	**5405.40**	**121621.50**
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.(Page No. 12, It No. 4.5 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Pole Botom for Fencing Compound	Cum	1	17.00	0.40	0.45	3.06		
						Total Qty	**3.06**	**5985.36**	**18315.20**
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I.tm No.4.28, P.No.15, SR:2016-17)								
	Ashwatha Katte								
	Footing	Sqm	2	15.50		0.50	15.50		
	Wall		2	15.50		2.00	62.00		
	Sump								
	Bottom Slab & Covering Slab Edge		2	13.20		0.20	5.28		
	Side Wall		2	12.60		2.10	52.92		
	Covering Slab		1	3.00	3.00		9.00		
						Total Qty	**144.70**	**249.48**	**36099.76**

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	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.tm No.4.46.2, P.No.17, SR:2016-17)								
	Ashwatha Katte	Tonne							
	Steel								
	For One Cum 80Kgs Qty Item No 3		1	2.03			2.03		
							Total Qty	**2.03**	**65455.56**	**133031.88**
10	KSRRB M300-53. Construction of embankment with approved materia! Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.MORTH Specification No. 305 (I. No. 19.60, P. No.- 148, SR:2016-17)								
	Ashwatha Katte	cum							
	Floor		1	10.20	4.70	1.20	57.53		
							Total Qty	**57.53**	**326.16**	**18,763.33**
11	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specificationsusing silver grey granite / Multy Red / Ruby Red I Black / Hassan SqmGreen Granite of width not less than 1200mm (I.tm No.14.47.1, P.No.107, SR:2016-17)								
	Ashwatha Katte	Sqm							
	Floor		1	10.50	5.00		52.50		
	Steps								
	Tread		4	1.40	0.30		1.68		
	Riser		5	1.40	0.20		1.40		
							Total Qty	**55.58**		
	Deduction								
	Tree Girth		1	4.50	2.00		9.00		
							Total Qty	**9.00**		
							Total Qty	**46.58**	**2828.52**	**131752.46**
12	Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM of equipment etc., complete as per specification. (I. No.-14.60, P. No.- 109, SR: 2016-17)								
	Ashwatha Katte	Sqm							
	Side wall		1	15.50	1.00		15.50		
	Steps								
	Side		2	0.5*1.2*1.0			1.20		
							Total Qty	**16.70**	**3990.60**	**66643.02**

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	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps staircase made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c fixed tot he ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with vertical pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items ofwork, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged..(P.No-43 ,I No-7.39. S.R: 2016-17)								
	Ashwatha Katte								
	Hand Railing								
	Floor	Sqm	1	14.10		1.20	16.92		
	Steps		2	1.60		1.20	3.84		
						Total Qty	20.76	6286.68	130511.48
14	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (I. No.- 14.55, P. No.- 108, SR : 2016-17)								
	Ashwatha Katte								
	Floor								
	Steps		1	15.50			15.50		
	Treads	M							
	Tread Side		4	1.40			5.60		
			8	0.30			2.40		
						Total Qty	23.50	257.04	6,040.44
15	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materialscutting, bending scaffolding wherever necessary, nicely finishing the weldedjoints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (Page No. 262, It No. 37.2 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Reconstruction of Fencing Compound	M	17	3.00			51.00		
						Total Qty	51.00	884.52	45,110.52
16	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between / the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. specification. No. KBS 37.4 PWD (Page No. 262, It No. 37.4 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Reconstruction of Fencing Compound	M	3	50.00			150.00		
						Total Qty	150.00	349.92	52,488.00

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	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint specification. No. KBS 37.3(Page No. 262, It No. 37.3 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Reconstruction of Fencing Compound	M	1	50.00		2.50	125.00		
						Total Qty	**125.00**	**711.72**	**88,965.00**
18	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Page No. 121, It No. 15.73 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Fencing Paint								
		Sqm	2	97.00		2.10	407.40		
						Total Qty	**407.40**	**31.32**	**12,759.77**
19	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 121, It No. 15.74 of KPWD S.R 2016-17)								
	Ashwatha Katte								
	Fencing Paint								
		Sqm	2	97.00		2.20	426.80		
						Total Qty	**426.80**	**88.56**	**37,797.41**
20	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For 1000 litre capacity) Specification No.KBS 13.22 (P.No-94,Sl .No-13.78)								
	Ashwatha Katte								
	Water Tank	No	2				2.00		
						Total Qty	**2.00**	**9144.36**	**18,288.72**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Plumbing								
21	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2 / 13.3 (P.No-91,Sl. No-13.25)								
	Ashwatha Katte	Each	5				5.00		
							Total Qty	**5.00**	**293.76**	**1,468.80**
22	KSRB13-6.2-6 : Providing and fixing in position brass stop cock of approved quality 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2 / 13.3 (P.No-91,Sl. No-13.31)								
	Ashwatha Katte	Each	5				5.00		
							Total Qty	**5.00**	**172.80**	**864.00**
23	KSRB13-6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (P.No-92,Sl. No-13.38)								
	Ashwatha Katte	Each	2				2.00		
							Total Qty	**2.00**	**2781.00**	**5,562.00**
24	KSRB13-6.6-2 : Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 450 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS (P.No-92,Sl. No-13.47)								
	Ashwatha Katte	Set	5				5.00		
							Total Qty	**5.00**	**354.24**	**1,771.20**
25	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) 25mm nominal OD pipes. (P.No-96 ,Sl. No-13.86.3)								
	Ashwatha Katte	M	200				200.00		
							Total Qty	**200.00**	**270.00**	**54,000.00**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
26	Providing and fixing unplasticised PVC with 110mm outer dia pipes 10.00 kg/sq.cm working pressure chemp plast I Wavin or equivalent make with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.(I.tm No.11.56.2, P.No.75, SR:2016-17)								
	Sanitary Pipe	M	2	70.00			140.00		
						Total Qty	140.00	743.04	104025.60
27	Providing Submersible Single Phase motor (ATLANTA / SUGUNA / CRI / KIRLOSKAR / OTHER EQUIVALENT PUMPS) (I. No.- 14, Pg No - XXXXIV SR 2016-17)								
	Ashwatha Katte 2.0 HP / 1.5 KW (20 Stage)	No	1				1.00		
						Total Qty	1.00	18900.00	18,900.00
							Total Constrution cost		13,85,434.69
							Design Report,Proof Checking & PMC Amount		27,708.69
							Tender Premium 6%		83,126.08
							Sub Total		14,96,269.46
							Miscellaneous & Rounding Off		3,730.54
							Grand Total		15,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90

Consultants
For Sri Sai Consultants

Assistant Engineer
~~Ward no 18~~
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Project Division
BBMP - Bangalore

ನಂ: 38/17-18 ದಿನಾಂಕ: 15/12/2017
ರೂ: 15,00,000/- Fifty Lak only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಜಿಬಿಎಂಪಿ

ನಂ: 04/17-18 ದಿನಾಂಕ: 20/12/207
ರೂ: 15,00,000/- Fifty Lak only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ

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